

Remarks

This amendment is in response to the Office Action dated October 17, 2005. In this amendment, claim 22 has been amended, claims 23-32 have been canceled, and new claims 33-58 are added.

The Applicant expresses his appreciation to the Examiner for taking the time to conduct a productive and helpful telephone interview on March 8, 2006. Discussed during the interview were possible changes that could be made to claim 22 to overcome the Bennett reference (U.S. Patent No. 5,444,615). The changes discussed were similar to those made in this amendment. Also discussed was annotation art generally, including U.S. Patent No. 5,146,552. The Examiner's insights and comments regarding the art relevant to this application are greatly appreciated. No agreement was reached on any particular claims during the interview.

In the Office Action dated October 17, 2005, the Examiner notes that the information disclosure statement dated December 5, 2003 failed to comply with 37 C.F.R. 1.98(a)(2) to the extent that documents identified as references DJ, DK, and DW were not provided. In this response, additional copies of those references are being submitted. Each of the submitted references is two pages in length. Consideration of these references is respectfully requested.

The Examiner also notes that the Applicant is required to update the status of all parent priority applications in the first line of the specification. It is believed that the paragraph added in the preliminary amendment filed August 29, 2003 in this application contains status information that is up to date for all parent priority applications.

Finally, the Examiner has rejected claims 22-32 under 35 U.S.C. §102 as being anticipated by U.S. Patent No. 5,444,615 (the "Bennett patent"). The Applicant has amended claim 22 in this response to more effectively highlight the distinctions between the invention recited in claim 22 and the Bennett patent. Amended claim 22 now requires the acts of

determining, without assistance from any user operating the client computer, that a second document available on the network includes a reference to the first document, . . .

. . .
automatically displaying, without requiring further input from the user, a link to the second document, . . . where the display of the link to the second document informs the user, for the first time, of the existence of the second document. . .

The foregoing limitations of amended claim 22, when combined with the other limitations in claim 22, are not taught by the Bennett reference. Note that the portion of the Bennett reference relied upon by the Examiner at col. 19, lines 3-16 ("window 211 displays a stack of all associated data items pointed to . . .") involves associations that are setup by the user of the system. See col. 18, lines 57-59 ("After reviewing the headnotes, the attorney decides to . . . specifically associate the document 232 with the headnote 221."). For at least this reason, claim 22 is allowable over the Bennett reference.

It is believed that new independent claims 33, 46, and 54 are also allowable over the Bennett reference. For example, claim 33 requires:

determining that a second web page available on the network refers to a first content portion, where the first content portion is one of the plurality of content portions created by the first author and included within the first web page, where the act of determining is performed without requiring the first author to search for the second web page, and without assistance from any user operating the client computer . . .

These limitations of claim 33, when combined with the other limitations in claim 33, are not taught by the Bennett reference, and therefore, claim 33 is also allowable over the Bennett reference.

Claims 46 and 54 are detailed system claims reciting limitations distinguishing them from the Bennett reference. Claim 46 requires, for example:

determining that a second web page available on the network contains a reference to the content created by the first author . . . without requiring the first author to search for the second web page, and without requiring assistance from any user operating the client computer . . .

These limitations of claim 46, when combined with the other limitations in claim 46, are not taught by the Bennett reference. Claim 54, also a system claim, requires:

after detecting that a fourth web page available on the network includes a reference to the content created by the first author, responding to . . . a request for the first web page received from a client computer that has not accessed the fourth web page.

These limitations of claim 54, when combined with the other limitations in claim 54, are also not taught by the Bennett reference. Accordingly, both claims 46 and 54 are also allowable over the Bennett reference.

This communication is being transmitted by facsimile to the PTO's central facsimile number. To the extent that the Examiner believes that a discussion with the Applicant will expedite the examination of this application, the Examiner is encouraged to contact the Applicant at the telephone number listed below. There may be other distinctions between the inventions claimed in this application and the art relied upon by the Examiner, but it is believed that the foregoing is sufficient to demonstrate that the pending claims are allowable over the relied-upon art.

Certification Under 37 C.F.R. §1.8
I hereby certify that this document is being transmitted by facsimile to the PTO's central facsimile number (571-273-8300) on the date indicated below.

Dated: March 17, 2006 /Mark A. Wolfe/
Mark A. Wolfe

Respectfully submitted,

/Mark A. Wolfe/
Mark A. Wolfe
1076 Tamberwood Court
Woodbury, MN 55125
(651) 578-7197

Customer Number: 29757

LEXIS-NEXIS.....More Control

Innovative solutions for your information needs are the cornerstone of our business. Recent LEXIS/NEXIS offerings include:

- **The FREESTYLE™ feature** - provides researchers with greater control through .WHERE and .WHY screens. Now available virtually 24 hours a day to law schools!
- **PRINT MANAGER Enhancements** - you control the status and timing of LEXIS-NEXIS documents you want to print
- **CheckCite™ 4.0 Software for Windows** - with the Quotecheck™ feature for cases, statutes and law reviews
- **More than 100 additional Law Reviews** with new groupings by state

A key objective of the LEXIS-NEXIS Legal Education group is to bring new technology to law students to help them with their research and to prepare them for practice. Ask your LEXIS® representative about educational pricing for Folio VIEWS and Jurisoft Legal Toolbox software. Your representative will also work with you to meet your research and technical needs.

LEXIS and NEXIS are registered trademarks of Reed Elsevier Properties Inc., used under license.

Legal Toolbox, CompareRite, CiteRite, FullAuthority, CheckCite, FREESTYLE and QuoteCheck are trademarks of Reed Elsevier Properties Inc., used under license.

Folio VIEWS is a trademark of Palín Corporation, used under license.

COUNSEL CONNECT is a trademark of LEXIS Counsel Connect

©1994 LEXIS-NEXIS, a division of Reed Elsevier Inc.
All rights reserved. LAD188 01/95

 A member of the Reed Elsevier plc group

LEXIS-NEXIS®

THE END OF THE BEGINNING

.....
LEXIS-NEXIS,
the pioneer in electronic
information, forging the
future of information
technology.

.....

LEXIS-NEXIS... Yesterday and Today

In 1973, LEXIS-NEXIS became the first to provide electronic information retrieval to attorneys and has continued to break ground with state-of-the-art technology and resources. LEXIS-NEXIS transformed raw technology into a full array of information management tools and services that facilitate the efficient and effective study and practice of law.

The LEXIS-NEXIS family of products and services includes:

- The LEXIS®-NEXIS® services
- The Jurisoft Legal Toolbox™ software collection - CheckCite™, CompareRite™, CiteRite™, and FullAuthority™ software
- Folio VIEWS™ software
- The LEXIS® COUNSEL CONNECT™ service
- Michie Books and CD-ROM

Today, LEXIS-NEXIS is part of Reed Elsevier plc, an established international legal publisher. LEXIS-NEXIS customers will benefit from our combined commitment to the legal publishing business and to bringing our customers the finest computer-aided legal research tools.

.....

LEXIS-NEXIS... The Future is Now

LEXIS-NEXIS has partnered with several law schools to offer the newest in information technology:

- **HARVARD LAW SCHOOL** first-year students are using LEXIS-NEXIS resources to explore the O.J. Simpson case throughout their "Introduction to Lawyering" course. The ability to manipulate a variety of information sources, both on disk and online, is a vital part of their success in this course and in the legal profession. To meet this challenge, the students are provided with Folio VIEWS software and the LEXIS COUNSEL CONNECT service.
- **CHICAGO-KENT COLLEGE OF LAW** students are using Folio VIEWS software to take classes without textbooks. Instead, the *Law and Justice* textbook and material on legal writing and criminal law has been loaded onto computers, enabling students to move seamlessly between course materials, professors' notes, case histories, and online information. Students can highlight crucial text in different colors, create course outlines that contain their notes and highlighted materials, and add their own 'jump-links' to connect words or phrases in any other source in the infobase.

These two schools represent a flourishing trend. Professors from schools nationwide are currently working to create electronic casebooks. Managing information from a variety of sources is key to the future success of today's law school student. The LEXIS-NEXIS team is ready to bring the future to you.

.....

*How do you quickly and accurately
verify citations and quotes in a
document?*

**CheckCite™ –The Definitive
Citation Checker**

- Checks cites automatically using the Auto-Cite service, Shepard's, and the LEXCITE feature
- The revolutionary QuoteCheck feature checks the accuracy of your quotations, including punctuation and page number, and displays your quote in context
- Retrieves the full-text of selected cases, enhanced with indented quotations, underlined case names, and highlighted footnotes
- Generates easy-to-read reports, which may be viewed on a screen, downloaded to disk, or printed


LEXIS and NEXIS are registered trademarks of Reed Elsevier Properties Inc., used under license.

Legal Toolbox, CompareRate, CiteRite, FullAuthority, CheckCite, PREPSTYLE and QuoteCheck are trademarks of Reed Elsevier Properties Inc., used under license.

Legal VIEWS is a trademark of Felin Corporation, used under license.

COUNSEL CONNECT is a trademark of LEXIS Connected Connect.

©1995 LEXIS-NEXIS, a division of Reed Elsevier Inc. All rights reserved. (A0189 02/95)

 A member of the Reed Elsevier plc group

LEXIS·NEXIS

.....

.....

"Prepare to Practice"

1 2 3 4 5 6 7 8 9 10 11 12

Folio VIEWS™ 3.1

- 明 趙 鳳 昌 題

CiteRite™ II –The Citation Expert

● ● ● ● ● ● ● ● ● ●

CompareRite™ – The Instant Redliner

- [illegible]

1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 26

FullAuthority - The Intelligent Table of Authorities Generator

- minor citation errors, such

Thesaurus/Synonyms — The FREESTYLE feature contains an online thesaurus of legal terms. To use the thesaurus, type #4 and press ENTER. A list of the terms in your description, for which synonyms are available, will appear. Type the number of the desired term or terms and press ENTER. A screen, with several options, appears.

1. Alternative forms of the term, for example custody as in incarceration and custody as in guardianship. You may add one or all of the alternatives to your description.

2. Synonyms for the term. Again, you can add one or all of the synonyms to your description.

You can also include synonyms in your search description, simply by typing the synonym, enclosed in parentheses, immediately after a term. For example: *biological (natural)*.

TIP: Be selective in using mandatory terms and synonyms. Using too many of either can reduce the importance of each term in the description. This makes it harder for the FREESTYLE feature to rank documents effectively.

Number of Documents — the FREESTYLE feature automatically displays a maximum of 25 documents. To change this number from one to 1,000, type #5, press ENTER and follow the instructions.

Displaying FREESTYLE results

Type .sk and press ENTER at any time while viewing results to use the SuperKWIC display format.

The SuperKWIC format displays the most heavily weighted block of text, the portion of the document that most closely matches your search description. There is one SuperKWIC block in each document; but it may be several screens long.

Type .where and press ENTER while viewing results to display the WHERE screen.

The WHERE screen tells you which documents contain each of your search terms (Figure 2). At a glance, you can determine exactly which documents contain each of your search terms. To display a specific document, type its number and press ENTER.


Type .why and press ENTER while viewing results to display the WHY screen.

The WHY screen shows how your search was interpreted (Figure 3). You will see the order in which your terms were ranked, the total number of retrieved documents with each of your terms, the total number of documents matched to the file, and the importance assigned to each term.

Type .sort and press ENTER while viewing results to change the display order of documents.

FREESTYLE results display in order of relevance, most statistically relevant first, as determined by the ranking of your search terms. You can change the sequence to chronological order, type #4 and press ENTER while viewing the Results screen.

NOTE: The WHERE and WHY screens are unique to the LEXIS-NEXIS services. No other online service gives you this depth of feedback to help you understand why you obtained the results you did and how you can revise your search description to achieve different results.

 A member of the Reed Elsevier, Inc. group
LEXIS-NEXIS is a registered trademark of Reed Elsevier, Inc. All rights reserved.
SUPERK WIC is a trademark of Lexis-Nexis, Inc. All rights reserved.
© 1996 Lexis-Nexis, Inc. All rights reserved.

Sample FREESTYLE searches

1. **LIBRARY:** STATES
FILE: OMNI
ENTER: are bare fingerprints ("fou prints") admissible as evidence

2. **LIBRARY:** GENFED
FILE: COURTS
ENTER: can a court rely on a dictionary definition to establish "moral turpitude"

3. **LIBRARY:** GENFED
FILE: USAPP
ENTER: is it permissible to release the "social security numbers" of registered voters

MANDATORY TERMS
"social security numbers", voters
4. **LIBRARY:** FEDSEC
FILE: CASES
ENTER: is it required to establish scienter in "10b)" ("10b-5") cases

5. **LIBRARY:** NEWS
FILE: CURNWS
ENTER: will the revisions to the rules of civil procedure have any effect on discovery

RESTRICTIONS: aft 6/30/93

6. **LIBRARY:** NEWS
FILE: CURNWS
ENTER: what is bond linking

7. **LIBRARY:** NEWS
FILE: LGLNEW
ENTER: what are the average salaries paid to junior-level executives in "law firms"

MANDATORY TERMS
associates "law firms"

RESTRICTIONS: is 1994

LEXIS-NEXIS

FREESTYLE

Quick Reference

Quick Reference

QUICK REFERENCE

Quick Refere

Here is how the FREESTYLE feature works.

1. Select a library, then select a file.
2. When you see a message to type your search request, enter *fr*.
3. Enter your search description in plain English, the way you might describe it to another person.
ENTER: *under what circumstances can biological parents regain custody of adopted children after an adoption*
4. The Search Options screen allows you to confirm your search description and to make adjustments to the description (Figure 1).
5. Check your description — any phrases recognized by the FREESTYLE feature will be enclosed in quotation marks. To make revisions, enter *=1*. The description will appear at the top of the page. When you finish making revisions, move the cursor to the end of the description and press **ENTER**.
6. When you have your search results select one of the options from the results screen (Figure 2) to view your results or to get feedback on your search results.

Using the search options screen.

In addition to editing your description, you can use the Search Options screen to refine your description in several ways.

Mandatory Terms — To require that a specific term or terms must appear in each document, type *=2* and press **ENTER**. Then type the term(s) and press **ENTER**.

Restrictions — To restrict your search to specific documents, such as those issued on a certain date or by a particular court, type *=3* and press **ENTER**. You can select from a list of restrictions that are appropriate to the file you are searching.

What is the FREESTYLETM feature?

It is an easy to use complement to traditional searching on the LEXIS[®]-NEXIS[®] services, enabling you to enter your search descriptions in plain English.

When should I use the FREESTYLE feature?

The FREESTYLE feature is most useful when:

- You are researching conceptual issues rather than highly specific topics
- You are unsure of what search terms to use when you have just started research on a complex subject
- You need some help in writing a search description and wish to access the online legal thesaurus
- You wish to supplement a traditional search request to ensure thorough results

Does the FREESTYLE feature give me feedback on my results?

The FREESTYLE feature gives you more feedback on results than any other natural language option.

Use the **WHY** screen (**ENTER, why**) to see how your search terms ranked by importance and to assess the effectiveness of your search.

Use the **WHERE** (**ENTER, where**) to see which documents contain each search term, then move directly to any document you choose.

Is the FREESTYLE feature available in both LEXIS[®] and NEXIS[®] materials?

Yes! The FREESTYLE feature can be used in legal, news, business and financial sources.

From the people who originated online legal research — the FREESTYLE feature is available virtually 24 hours a day.

FREESTYLETM SEARCH OPTIONS

Press ENTER to enter search.
To use a search option, enter an equal sign followed by the number.

Search Description:
CAN A BIO ASSOCIATION MAINTAIN PATENT IF OVER 17 ENCLOSED IN UNRELATED PATENT ACTIVITIES

Press ENTER to edit search.
=> Edit Search Description
=> Enter/Edit Mandatory Terms
=> Enter/Edit Restrictions (e.g., date)
=> Thesaurus
=> Change number of documents Current setting: 25

For further explanation, press the H key (for HELP) and then the ENTER key.

Figure 1.
Search Options
Screen

LOCATION OF SEARCH TERMS IN DOCUMENTS (where)

Document numbers are listed across the top of the chart. Terms are listed down the side in order of importance. Asterisks (*) indicate the presence of terms in documents. To view a document, enter the document number.

	1	2
1234567890123456789012345		
BOOK ASSOCIATION		
POLITICAL		
UNRELATED		
MANDATORY		
EXCESS		
ACTIVITIES		
PAYMENT		
INTEREST		

Figure 2.
WHERE
Screen

Figure 3.
WHY
Screen

NEXIS[®] OF RESULTS WITH SEARCH TERMS (why)

Document	Term	Importance
1	ASSOCIATION	21
2	PATENT	11
3	UNRELATED	11
4	MANDATORY	10
5	MAINTAIN	9
6	ACTIVITIES	4
7	PATENT	2
8	REQUEST	1
9	OVER	-
10	OVER	-
11	OVER	-
12	OVER	-
13	OVER	-
14	OVER	-
15	OVER	-
16	OVER	-
17	OVER	-
18	OVER	-
19	OVER	-
20	OVER	-
21	OVER	-
22	OVER	-
23	OVER	-
24	OVER	-
25	OVER	-
26	OVER	-
27	OVER	-
28	OVER	-
29	OVER	-
30	OVER	-
31	OVER	-
32	OVER	-
33	OVER	-
34	OVER	-
35	OVER	-
36	OVER	-
37	OVER	-
38	OVER	-
39	OVER	-
40	OVER	-
41	OVER	-
42	OVER	-
43	OVER	-
44	OVER	-
45	OVER	-
46	OVER	-
47	OVER	-
48	OVER	-
49	OVER	-
50	OVER	-
51	OVER	-
52	OVER	-
53	OVER	-
54	OVER	-
55	OVER	-
56	OVER	-
57	OVER	-
58	OVER	-
59	OVER	-
60	OVER	-
61	OVER	-
62	OVER	-
63	OVER	-
64	OVER	-
65	OVER	-
66	OVER	-
67	OVER	-
68	OVER	-
69	OVER	-
70	OVER	-
71	OVER	-
72	OVER	-
73	OVER	-
74	OVER	-
75	OVER	-
76	OVER	-
77	OVER	-
78	OVER	-
79	OVER	-
80	OVER	-
81	OVER	-
82	OVER	-
83	OVER	-
84	OVER	-
85	OVER	-
86	OVER	-
87	OVER	-

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ BLACK BORDERS
- ☐ IMAGE CUT OFF AT TOP, BOTTOM OR SIDES
- ☐ FADED TEXT OR DRAWING
- ☐ BLURRED OR ILLEGIBLE TEXT OR DRAWING
- ☐ SKEWED/SLANTED IMAGES
- ☐ COLOR OR BLACK AND WHITE PHOTOGRAPHS
- ☐ GRAY SCALE DOCUMENTS
- ☒ LINES OR MARKS ON ORIGINAL DOCUMENT
- ☐ REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY
- ☐ OTHER: _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.